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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/438,989

DATE: 11/30/1999  
TIME: 13:32:45

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This Raw Listing contains the General Information  
Section and up to first 5 pages.

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1 <110> APPLICANT: Sanghvi, Yogesh S  
2 Manoharan, Muthiah  
3 <120> TITLE OF INVENTION: Gapped Oligomers Having Site Specific Chiral  
4 Phosphorothioate Internucleoside Linkages  
5 <130> FILE REFERENCE: ISIS4288  
6 <140> CURRENT APPLICATION NUMBER: US/09/438,989  
7 <141> CURRENT FILING DATE: 1999-11-12  
8 <150> EARLIER APPLICATION NUMBER: 09/352,058  
9 <151> EARLIER FILING DATE: 1999-07-14  
10 <150> EARLIER APPLICATION NUMBER: 09/115,027  
11 <151> EARLIER FILING DATE: 1998-07-14  
12 <160> NUMBER OF SEQ ID NOS: 6  
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**VERIFICATION SUMMARY**  
**PATENT APPLICATION US/09/438,989**

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